Amendments to the Claims

This listing of claims will replace all prior versions and listings, of claims in the application.

- 1. (currently amended) An optically active color filter comprising:
 - a linear polarizer for polarizing light from a light source;

an optically active device for rotating the polarized light from the polarizer, the optically active device comprising an optically active liquid; and

an adjustable polarizer for selecting a desired color from the rotated polarized light from the optically active device.

- 2. (original) The color filter of claim 1, wherein the linear polarizer is a fixed-position linear polarizer.
- 3. (cancelled) The color filter of claim 1, wherein the optically active device comprises a crystalline quartz optical rotator.
- 4. (currently amended) The color filter of claim 1, wherein the optically active device emprises liquid is corn syrup.
- 5. (currently amended) The color filter of claim 1, wherein the optically active device emprises liquid is a sucrose solution.
- 6. (original) The color filter of claim 1, wherein the adjustable polarizer is a first rotatable polarizer.
 - 7. (currently amended) An optically active color filter comprising:

a linear polarizer for polarizing light from a light source;

an optically active device for rotating the polarized light from the polarizer;

and

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an adjustable polarizer for selecting a desired color from the rotated polarized light from the optically active device, the adjustable polarizer comprising a circular-shaped rotatable polarizer having a cutout, wherein the The color filter of claim-6, wherein the first rotatable polarizer is circular shaped and has a cutout, wherein the first rotatable polarizer is disposed offset from a path of the rotated polarized light from the optically active device, and

8. (original) The color filter of claim 6 further comprising a second rotatable polarizer disposed between the light source and linear polarizer.

further wherein the radius of the first rotatable polarizer extends beyond the light path.

- 9. (currently amended) The color filter of claim 1, wherein the optically active device further comprises an adjustable thickness container for holding the optically active liquid and further, wherein the thickness of the optically active device is adjustable changed by adjusting the container.
- 10. (currently amended) The color filter of claim 1, wherein the optically active device comprises a multiplicity of removable optically active layers of optically active liquid.
- 11. (original) The color filter of claim 1, wherein at least one element thereof is removable.
- 12. (original) The color filter of claim 1, wherein the optical activity of the optically active device is electrically controlled.
- 13. (currently amended) The color filter of claim 1, wherein the thickness of the optically active device liquid is not uniform such that all polarized light from the light source travels the same distance through the optically active liquid.
- 14. (original) The color filter of claim 1, wherein the color filter is controlled by a remote control device.

- 15. (original) The color filter of claim 14, wherein the control device is an electronic control device.
- 16. (original) The color filter of claim 14, wherein the remote control device is a wireless remote control device.
 - 17. (currently amended) An optically active color filter comprising:
 - a first linear polarizer for polarizing light from a light source;
- an optically active device for rotating the polarized light from the linear polarizer, the optically active device comprising an optically active liquid; and
- an electrically controlled polarizing assembly for selecting a desired color from the rotated polarized light from the optically active device.
 - 18. (original) The color filter of claim 17, wherein the polarizing assembly comprises:
 a voltage-controlled liquid crystal panel and
 a second linear polarizer.
 - 19. (currently amended) [[A]] An optically active color filter comprising:
- a linear polarizing beamsplitter for polarizing and splitting light from a light source into a first polarized light and a second polarized light;
- an optically active means for rotating the first and second polarized light from the beamsplitter;
- a first adjustable polarizer for selecting a desired first color from the rotated first polarized light from the optically active means; and
- a second adjustable polarizer for selecting a desired second color from the rotated second polarized light from the optically active means.
- 20. (original) The color filter of claim 19, wherein the color filter is controlled by a remote control device.

- 21. (original) The color filter of claim 19, wherein the optically active means is an optically active device.
- 22. (original) The color filter of claim 19, wherein the optically active means comprises:
- a first optically active device for rotating the first polarized light from the beamsplitter; and
- a second optically active device for rotating the second polarized light from the beamsplitter.
 - 23. (currently amended) A lighting effects device, the device comprising:

an adjustable polarizer for polarizing light from a light source;

an optically active device for rotating the polarized light from the polarizer, the optically active device comprising an optically active liquid; and

- a polarizing material for producing a desired color from the rotated polarized light from the optically active device.
- 24. (original) The lighting effects device of claim 23, wherein the lighting effects device is controlled by a remote control device.
- 25. (currently amended) A device for producing a colored light, the device comprising:

a linear polarizer for polarizing light from a light source;

an optically active device for rotating the polarized light from the linear polarizer, the optically active device comprising an optically active liquid; and

an adjustable polarizer for selecting a desired color from the rotated polarized light from the optically active device.

26. (currently amended) An optically active color filter comprising:

an adjustable polarizer for polarizing and selecting a desired color from a light source;

an optically active device for rotating the polarized light from the adjustable polarizer, the optically active device comprising an optically active liquid; and

a linear polarizer for polarizing the rotated polarized light.

27. (currently amended) A method for producing a colored light, the method comprising:

polarizing light from a light source;

rotating the polarized light through an optically active substance <u>liquid</u>; and selecting a desired color from the rotated polarized light.

- 28. (original) The method of claim 27, wherein the selecting step comprises passing the rotated polarized light through an adjustable polarizer.
- 29. (currently amended) The method of claim 27, <u>further comprising</u>, <u>adjusting</u> wherein the thickness of the optically active substance is adjustable liquid.
- 30. (currently amended) The method of claim 27, wherein the thickness of the optically active substance <u>liquid</u> is not uniform <u>such that all polarized light from the light</u> source travels the same distance through the optically active <u>liquid</u>.
- 31. (currently amended) The method of claim 27, wherein the optically active substance is a liquid is corn syrup.
- 32. (new) The color filter of claim 6, wherein the color from the first rotatable polarizer has only one peak wavelength in the visible light spectrum and further, wherein the peak wavelength stays in the visible light spectrum for at least 90° of rotation of the first rotatable polarizer.

- 33. (new) The color filter of claim 9, wherein the adjustable thickness container is a piston.
- 34. (new) The color filter of claim 9, wherein the adjustable thickness container is a bellows.
- 35. (new) The color filter of claim 19, wherein the optical activity of the optically active means is electrically controlled.
- 36. (new) The color filter of claim 19, wherein at least one adjustable polarizer is electrically controlled.
- 37. (new) The color filter of claim 19, wherein the linear polarizing beamsplitter includes an adjustable polarizer for adjusting the polarizing angle of the light from the light source.
- 38. (new) The color filter of claim 21, wherein the thickness of the optically active device is adjustable.
- 39. (new) The color filter of claim 22, wherein the thickness of at least one optically active device is adjustable.
 - 40. (new) A method for calibrating the color filter of claim 1, the method comprising: projecting a monochromatic light into the linear polarizer; and adjusting the adjustable polarizer until maximum extinction is reached.
 - 41. (new) An apparatus for projecting colored images, the apparatus comprising: an image projector; and

an optically active color filter mounted inside the image projector, the color filter comprising:

a linear polarizer for polarizing light from a light source;

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an optically active device for rotating the polarized light from the polarizer, the optically active device comprising an optically active liquid; and

an adjustable polarizer for selecting a desired color from the rotated polarized light from the optically active device.